AMENDMENTS TO THE CLAIMS

Please amend claims 1-4, 6-9 and 11-25, and add new claims 26-52, such that the status of the claims is as follows:

1.(Currently Amended) A method for axially moving a tube in a borehole in the ground, wherein the tube is moved simultaneously along and about its axis and wherein a drill is used of which the rate of material removal is independent of the direction or speed of rotation of the tube about its axis, and wherein a drive mechanism for the drill is connected to the ground and is rotated jointly with the tube ~~characterized in that~~ wherein the tube is moved about its axis in a series of alternating, angularly opposite, rotating movements within a limited angular range of rotation, the angular range comprising at least one full rotation of 360°.

2.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein the limited angular range of rotation is preselected to comprise less than 1800°, preferably less than 1080°, in particular less than 720°.

3.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein the time needed to complete two consecutive, alternating angularly opposite rotating movements is at least 10 s, preferably at least 20 s.

4.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein the frequency of alternating angularly opposite rotating movements is such that an oscillation is generated that corresponds to the base or higher order natural frequency of the tube.

5.(Previously Presented) A method according to claim 1, wherein a series of alternating, angularly opposite, rotating movements within the pre-selected angular range of rotation is preceded and/or succeeded by a non-oscillating, continuous rotating movement about its axis.

6.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein said tube is composed by connecting successive tube parts rotationally rigid end-to-end.

7.(Currently Amended) A method according to claim 6, ~~characterized in that~~ wherein tube parts are connected end-to-end by welding.

8.(Currently Amended) A method according to claim 6, ~~characterized in that~~ wherein said tube parts are connected while axially inserting the tube into the borehole.

9.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein the tube is axially moved into the borehole in the ground to form a casing for a borehole.

10.(Previously Presented) A method according to claim 9, wherein the tube is inserted while a borehole is being drilled by a drill.

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11.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein the pre-selected angular range of rotation includes less than 360°, preferably less than 180° to remove ground in a circular segment at the tube end, such that, when the tube is axially advanced into the borehole, a tip of the tube is advanced along a curved path.

12.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein the torque exerted on the tube at the surface is measured while performing angularly symmetrical opposite, rotating movements within the pre-selected angular range to determine a mid-point of lower torque values.

13.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein relative angular orientation of tube sections axially spaced apart is monitored.

14.(Currently Amended) A method according to claim 13, ~~characterized in that~~ wherein said monitoring includes observing an axial line provided on the outside of the tube.

15.(Currently Amended) A method according to claim 13, ~~characterized in that~~ wherein said monitoring includes detecting angular orientations of axially spaced magnetic markings on the outside of the tube.

16.(Currently Amended) A method according to claim 15, ~~characterized in that~~ wherein said series of alternating, angularly opposite, rotating movements have an azimuth at the tube tip, said azimuth at the tube tip being controlled in response to the orientation of the tube in the area of the ground surface.

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17.(Currently Amended) A method according to claim 16, ~~characterized in that~~ wherein an alternating torque having an azimuth is exerted to said tube, said azimuth at the tube tip being further controlled in response to the orientation of the tube in the area of the ground surface when said azimuth of said torque occurs.

18.(Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein pumping of mud is continued while a connection with a next tube section is being made via a hose and packer combination which sealingly connects to the tube section in the hole.

19.(Currently Amended) A device for axially moving a tube in a borehole in the ground, comprising means for moving the tube along and about its axis and connections for connecting the ground to a drive mechanism for a drill carried on a bottom most part of the tube and rotating jointly with the tube, ~~characterized in that~~ wherein the means for moving the tube about its axis comprises a rotational drive that is arranged to drive the tube to rotate about its axis in at least one full rotation and that is operatively coupled to control means for controlling the drive to perform alternating,

angularly opposite, rotating movements within a limited angular range of rotation, the angular range comprising at least one full rotation of 360°.

20.(Currently Amended) A device according to claim 19, ~~characterized in that~~ wherein the limited angular range of rotation is preselected to comprise less than 1800°, preferably less than 1080°, in particular less than 720°.

21.(Currently Amended) A device according to claim 19, ~~characterized in that~~ wherein the rotational drive and the control means are further configured to selectively control the drive to perform a continuous, non-alternating, rotating movement.

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22.(Currently Amended) A device according to claim 19, ~~characterized in that~~ wherein it comprises a welding apparatus for welding tube segments end-to-end to form a composed tube, which welding apparatus is arranged to rotate substantially jointly with the tube to be moved in the borehole.

23.(Currently Amended) A device according to claim 22, ~~characterized in that~~ wherein it is provided with means for surface treatment of the inner and/or outer surface of the tube to be inserted.

24.(Currently Amended) A device according to claim 22, ~~characterized in that~~ wherein it is provided with means for aligning and positioning tube ends to be connected.

25.(Currently Amended) A device according to claim 19 in combination with a packer for sealing the tube and arranged to rotate substantially jointly therewith, comprising connecting means for connecting to a fluid or energy supply, ~~characterized in that~~ wherein said connecting means are arranged to fixedly couple the packer to a flexible fluid or energy supply extending from the fluid source.

26.(New) A method for axially moving a tube in a borehole in the ground, wherein the tube is moved simultaneously along and about its axis, wherein the ground is removed at the tube end, and wherein moving the tube about its axis (A) comprises moving the tube in a first series of alternating, angularly opposite, rotating movements within a first pre-selected angular range of rotation, the first pre-selected angular range being a limited range of rotation, wherein the first pre-selected angular range comprises at least one full rotation of 360°.

27.(New) A method according to claim 26, wherein the first angular range of rotation is preselected to comprise less than 1800°, preferably less than 1080°, in particular less than 720°.

28.(New) A method according to claim 26, wherein the time needed to complete two consecutive, alternating angularly opposite rotating movements is at least 10 s, preferably at least 20 s.

29.(New) A method according to claim 26, wherein the frequency of alternating angularly opposite rotating movements is such that an oscillation is generated that corresponds to the base or higher order natural frequency of the tube.

30.(New) A method according to claim 26, wherein a series of alternating, angularly opposite, rotating movements within the pre-selected angular range of rotation is preceded and/or succeeded by a non-oscillating, continuous rotating movement about its axis.

31.(New) A method according to claim 26, wherein said tube is composed by connecting successive tube parts rotationally rigid end-to-end.

32.(New) A method according to claim 31, wherein tube parts are connected end-to-end by welding.

33.(New) A method according to claim 31, wherein said tube parts are connected while axially inserting the tube into the borehole.

34.(New) A method according to claim 26, wherein the tube is axially moved into the borehole in the ground to form a casing for a borehole.

35.(New) A method according to claim 34, wherein the tube is inserted while a borehole is being drilled by a drill.

36.(New) A method according to claim 26, wherein the torque exerted on the tube at the surface is measured while performing angularly symmetrical opposite, rotating movements within the pre-selected angular range to determine a mid-point of lower torque values.

37.(New) A method according to claim 26, wherein relative angular orientation of tube sections axially spaced apart is monitored.

38.(New) A method according to claim 37, wherein said monitoring includes observing an axial line provided on the outside of the tube.

39.(New) A method according to claim 37, wherein said monitoring includes detecting angular orientations of axially spaced magnetic markings on the outside of the tube.

40.(New) A method according to claim 26, wherein pumping of mud is continued while a connection with a next tube section is being made via a hose and packer combination which sealingly connects to the tube section in the hole.

41.(New) A method according to claim 26, wherein the first series of alternating, angularly opposite, rotating movements is followed by a second series of such movements within a second pre-selected angular range, which second pre-selected angular range of rotation includes less than 360°, preferably less than 180°, to remove ground in a circular segment at the tube end, such that, when the tube is axially advanced into the borehole, the tip of the tube is advanced along a curved path.

42.(New) A method according to claim 26, wherein the first series of alternating, angularly opposite, rotating movements is preceded by a second series of such movements within a second pre-selected angular range, which second pre-selected angular range of rotation includes less than 360°, preferably less than 180°, to remove ground in a circular segment at the tube end, such that, when the tube is axially advanced into the borehole, the tip of the tube is advanced along a curved path.

43.(New) A device for axially moving a tube in a borehole in the ground, comprising means for moving the tube along and about its axis, whereby the means for moving the tube about its axis comprises a rotational drive that is operatively coupled to control means for controlling the drive to perform alternating, angularly opposite, rotating movements within a first pre-selected angular range of rotation, the first pre-selected angular range being a limited range of rotation, wherein the first pre-selected angular range comprises at least one full rotation of 360°.

44.(New) A device according to claim 43, wherein the first angular range of rotation comprises less than 1800°, preferably less than 1080°, in particular less than 720°.

45.(New) A device according to claim 43, wherein the rotational drive and the control means are further configured to selectively control the drive to perform a continuous, non-alternating, rotating movement.

46.(New) A device according to claim 43, which device comprises a welding apparatus for welding tube segments end-to-end to form a composed tube, which welding apparatus is arranged to rotate substantially jointly with the tube to be moved in the borehole.

47.(New) A device according to claim 46, which device is provided with means for surface treatment of the inner and/or outer surface of the tube to be inserted.

48.(New) A device according to claim 46, which device is provided with means for aligning and positioning tube ends to be connected.

49.(New) A device according to claim 43, wherein the control means is further arranged to control the drive to perform a second series of alternating, angularly opposite, rotating movements within a second pre-selected angular range, following the first series of such movements, which second pre-selected angular range of rotation includes less than 360°, preferably less than 180°.

50.(New) A device according to claim 43, wherein the control means is further arranged to control the drive to perform a second series of alternating, angularly opposite, rotating movements within a second pre-selected angular range, preceding the first series of such movements, which second pre-selected angular range of rotation includes less than 360° preferably less than 180°.

51.(New) A device according to claim 43 in combination with a packer for sealing a tube comprising connecting means being arranged to fixedly couple the packer to a flexible fluid or energy supply, wherein the packer and the flexible fluid or energy supply are arranged to rotate substantially jointly with the tube.

52.(New) The combination of claim 51, wherein the flexible fluid or energy supply extends from a fluid source or energy source.